

Applicants : Petar R. Dvornic et al.
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In the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A curable composition comprising:
an organic solvent;
a hyperbranched polymer having a plurality of functional groups of a first type; and
a polymer having functional groups of a second type, wherein the functional groups of the second type are reactive with the functional groups of the first type under at least certain conditions.
2. (Original) The composition of claim 1, wherein the hyperbranched polymer has a weight average molecular weight from about 1000 to about 25,000.
3. (Previously Presented) The composition of claim 1, wherein the polymer having functional groups of the second type is a telechelic linear polymer.
4. (Original) The composition of claim 1, wherein the polymer having functional groups of the second type is a linear polymer with functional groups pendant to the main chain backbone.
5. (Previously Presented) The composition of claim 1, wherein the polymer having functional groups of the second type is a linear polymer having a polymer backbone with two ends and having functional groups at the two ends.
- 6.-11. (Canceled)

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12. (Previously Presented) The composition of claim 1, wherein the hyperbranched polymer is selected from the group consisting of hyperbranched polyureas, hyperbranched polyurethanes, hyperbranched polyamidoamines, hyperbranched polyamides, hyperbranched polyesters, hyperbranched polycarbosilanes, hyperbranched polycarbosiloxanes, hyperbranched polycarbosilazenes, hyperbranched polyethers, hyperbranched poly(ether ketones), hyperbranched poly(propyleneimine), hyperbranched polyalkylamines, or copolymers thereof.

13. (Currently Amended) The cured reaction product of a composition including an organic solvent, a hyperbranched polymer having functional groups of a first type, and another polymer having functional groups of a second type, wherein the functional groups of the second type have reacted with the functional groups of the first type to form a polymer network.

14. (Original) The cured reaction product of claim 13, wherein the hyperbranched polymer has a weight average molecular weight from about 1000 to about 25,000.

15. (Previously Presented) The cured reaction product of claim 13, wherein the polymer having functional groups of the second type is a telechelic linear polymer.

16. (Original) The cured reaction product of claim 13, wherein the polymer having functional groups of the second type is a linear polymer with functional groups pendant to the main chain backbone.

17. (Previously Presented) The cured reaction product of claim 13, wherein the polymer having functional groups of the second type is a linear polymer having a polymer backbone with two ends and having functional groups at the two ends.

18.-23. (Canceled)

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24. (Previously Presented) The cured reaction product of claim 13, wherein the hyperbranched polymer is selected from the group consisting of hyperbranched polyureas, hyperbranched polyurethanes, hyperbranched polyamidoamines, hyperbranched polyamides, hyperbranched polyesters, hyperbranched polycarbosilanes, hyperbranched polycarbosiloxanes, hyperbranched polycarbosilazenes, hyperbranched polyethers, hyperbranched poly(ether ketones), hyperbranched poly(propyleneimine), hyperbranched polyalkylamines, or copolymers thereof.

25.-34. (Canceled)